

OIKE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/834,597

DATE: 04/27/2001

TIME: 10:41:58

Input Set : A:\2976-us.app

Output Set: N:\CRF3\04272001\I834597.raw

3 <110> APPLICANT: KEITH, TIM
5 <120> TITLE OF INVENTION: NOVEL HUMAN GENE RELATING TO RESPIRATORY DISEASES AND
6 OBESITY
8 <130> FILE REFERENCE: 2976-4039US1
C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/834,597
C--> 11 <141> CURRENT FILING DATE: 2001-04-13
13 <150> PRIOR APPLICATION NUMBER: 60/129,391
14 <151> PRIOR FILING DATE: 1999-04-13
16 <150> PRIOR APPLICATION NUMBER: 60/146,336
17 <151> PRIOR FILING DATE: 1999-07-30
19 <150> PRIOR APPLICATION NUMBER: 09/548,797
20 <151> PRIOR FILING DATE: 2000-04-13
22 <160> NUMBER OF SEQ ID NOS: 363
24 <170> SOFTWARE: PatentIn Ver. 2.1
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 3626
28 <212> TYPE: DNA
29 <213> ORGANISM: Homo sapiens
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34 tgctgctgct actactgctg ctgctctggc cagtgcagag cgccgggggtg cttcaaggac 180
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ENTERED

See p. 5

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96 <211> LENGTH: 227

97 <212> TYPE: DNA

98 <213> ORGANISM: Homo sapiens

100 <400> SEQUENCE: 2

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103 gctgctgctg ctactactgc tgctgctctg gccagtgcc ggcgcgggg tgcttcaagg 180
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109 <212> TYPE: DNA

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162 cctgtttctt cccacctgt ctctccctc aggtggttcc tgagccccc ccccaatcc 3000
163 cagtgtctaca cctgaggttc tggagctcag aatctgacag cctctcccc attctgtgtg 3060

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175 <211> LENGTH: 826
176 <212> TYPE: PRT
177 <213> ORGANISM: Homo sapiens
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184 20 25 30
186 Gly His Ile Pro Gly Gln Pro Val Thr Pro His Trp Val Leu Asp Gly
187 35 40 45
189 Gln Pro Trp Arg Thr Val Ser Leu Glu Glu Pro Val Ser Lys Pro Asp
190 50 55 60
192 Met Gly Leu Val Ala Leu Glu Ala Glu Gly Gln Glu Leu Leu Leu Glu
193 65 70 75 80
195 Leu Glu Lys Asn His Arg Leu Leu Ala Pro Gly Tyr Ile Glu Thr His
196 85 90 95
198 Tyr Gly Pro Asp Gly Gln Pro Val Val Leu Ala Pro Asn His Thr Val
199 100 105 110
201 Arg Cys Phe His Gly Leu Trp Asp Ala Pro Pro Glu Asp His Cys His
202 115 120 125
204 Tyr Gln Gly Arg Val Arg Gly Phe Pro Asp Ser Trp Val Val Leu Cys
205 130 135 140
207 Thr Cys Ser Gly Met Ser Gly Leu Ile Thr Leu Ser Arg Asn Ala Ser
208 145 150 155 160
210 Tyr Tyr Leu Arg Pro Trp Pro Pro Arg Gly Ser Lys Asp Phe Ser Thr
211 165 170 175
213 His Glu Ile Phe Arg Met Glu Gln Leu Leu Thr Trp Lys Gly Thr Cys
214 180 185 190
216 Gly His Arg Asp Pro Gly Asn Lys Ala Gly Met Thr Ser Leu Pro Gly
217 195 200 205
219 Gly Pro Gln Ser Arg Gly Arg Arg Glu Ala Arg Arg Thr Arg Lys Tyr
220 210 215 220
222 Leu Glu Leu Tyr Ile Val Ala Asp His Thr Leu Phe Leu Thr Arg His
223 225 230 235 240
225 Arg Asn Leu Asn His Thr Lys Gln Arg Leu Leu Glu Val Ala Asn Tyr
226 245 250 255
228 Val Asp Gln Leu Leu Arg Thr Leu Asp Ile Gln Val Ala Leu Thr Gly
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231 Leu Glu Val Trp Thr Glu Arg Asp Arg Ser Arg Val Thr Gln Asp Ala
232 275 280 285

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237 Gln Arg Pro His Asp Ser Ala Gln Leu Leu Thr Gly Arg Ala Phe Gln
238 305                      310                      315                      320
240 Gly Ala Thr Val Gly Leu Ala Pro Val Glu Gly Met Cys Arg Ala Glu
241                      325                      330                      335
243 Ser Ser Gly Gly Val Ser Thr Asp His Ser Glu Leu Pro Ile Gly Ala
244                      340                      345                      350
246 Ala Ala Thr Met Ala His Glu Ile Gly His Ser Leu Gly Leu Ser His
247                      355                      360                      365
249 Asp Pro Asp Gly Cys Cys Val Glu Ala Ala Ala Glu Ser Gly Gly Cys
250      370                      375                      380
252 Val Met Ala Ala Ala Thr Gly His Pro Phe Pro Arg Val Phe Ser Ala
253 385                      390                      395                      400
255 Cys Ser Arg Arg Gln Leu Arg Ala Phe Phe Arg Lys Gly Gly Gly Ala
256                      405                      410                      415
258 Cys Leu Ser Asn Ala Pro Asp Pro Gly Leu Pro Val Pro Pro Ala Leu
259                      420                      425                      430
261 Cys Gly Asn Gly Phe Val Glu Ala Gly Glu Glu Cys Asp Cys Gly Pro
262                      435                      440                      445
264 Gly Gln Glu Cys Arg Asp Leu Cys Cys Phe Ala His Asn Cys Ser Leu
265      450                      455                      460
267 Arg Pro Gly Ala Gln Cys Ala His Gly Asp Cys Cys Val Arg Cys Leu
268 465                      470                      475                      480
270 Leu Lys Pro Ala Gly Ala Leu Cys Arg Gln Ala Met Gly Asp Cys Asp
271                      485                      490                      495
273 Leu Pro Glu Phe Cys Thr Gly Thr Ser Ser His Cys Pro Pro Asp Val
274                      500                      505                      510
276 Tyr Leu Leu Asp Gly Ser Pro Cys Ala Arg Gly Ser Gly Tyr Cys Trp
277                      515                      520                      525
279 Asp Gly Ala Cys Pro Thr Leu Glu Gln Gln Cys Gln Gln Leu Trp Gly
280      530                      535                      540
282 Pro Gly Ser His Pro Ala Pro Glu Ala Cys Phe Gln Val Val Asn Ser
283 545                      550                      555                      560
285 Ala Gly Asp Ala His Gly Asn Cys Gly Gln Asp Ser Glu Gly His Phe
286                      565                      570                      575
288 Leu Pro Cys Ala Gly Arg Asp Ala Leu Cys Gly Lys Leu Gln Cys Gln
289                      580                      585                      590
291 Gly Gly Lys Pro Ser Leu Leu Ala Pro His Met Val Pro Val Asp Ser
292                      595                      600                      605
294 Thr Val His Leu Asp Gly Gln Glu Val Thr Cys Arg Gly Ala Leu Ala
295      610                      615                      620
297 Leu Pro Ser Ala Gln Leu Asp Leu Leu Gly Leu Gly Leu Val Glu Pro
298 625                      630                      635                      640
300 Gly Thr Gln Cys Gly Pro Arg Met Val Cys Gln Ser Arg Arg Cys Arg
301                      645                      650                      655
303 Lys Asn Ala Phe Gln Glu Leu Gln Arg Cys Leu Thr Ala Cys His Ser
304                      660                      665                      670
306 His Gly Val Cys Asn Ser Asn His Asn Cys His Cys Ala Pro Gly Trp

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY

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L:10 M:270 C: Current Application Number differs, Replaced Application Number

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:4876 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:62